

FIG. 1

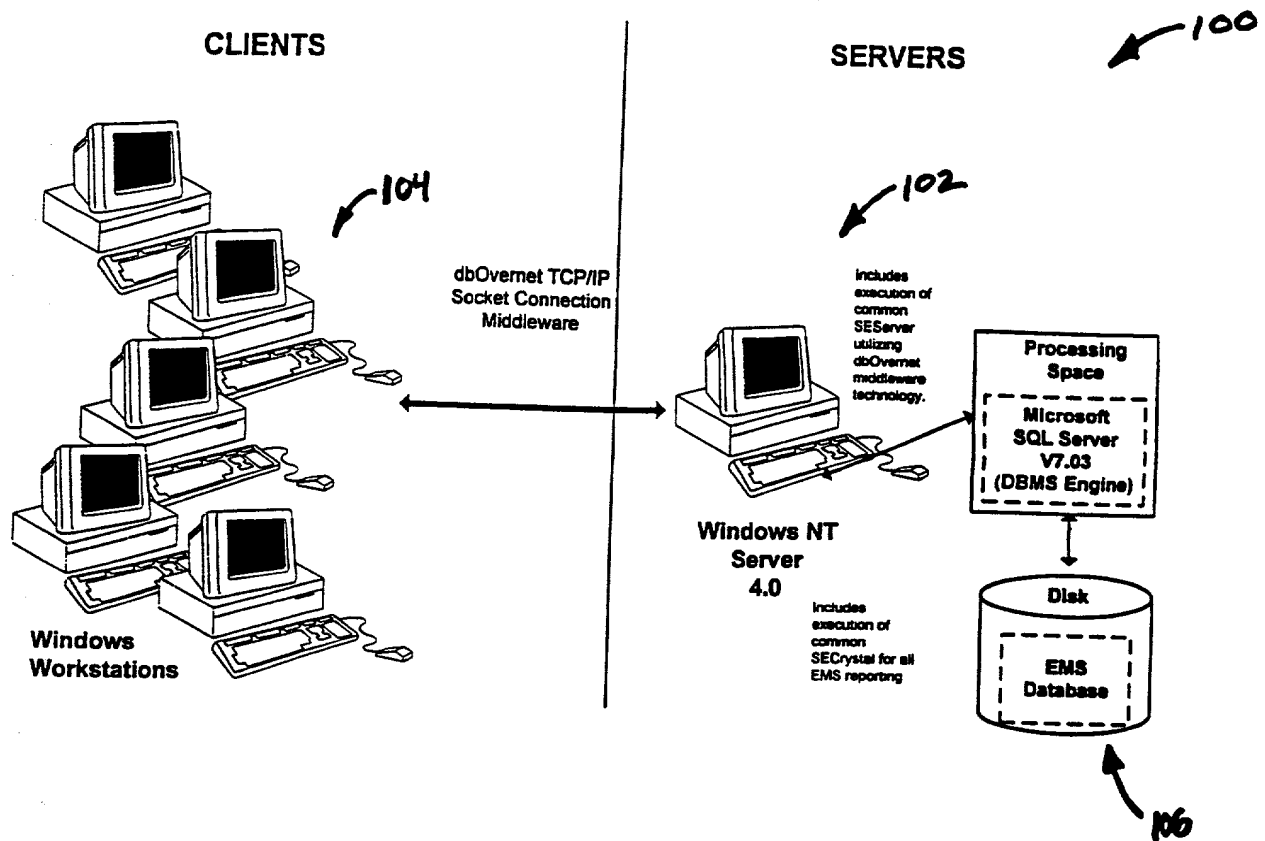


FIG. 2

Companies Subject Area (ERD)

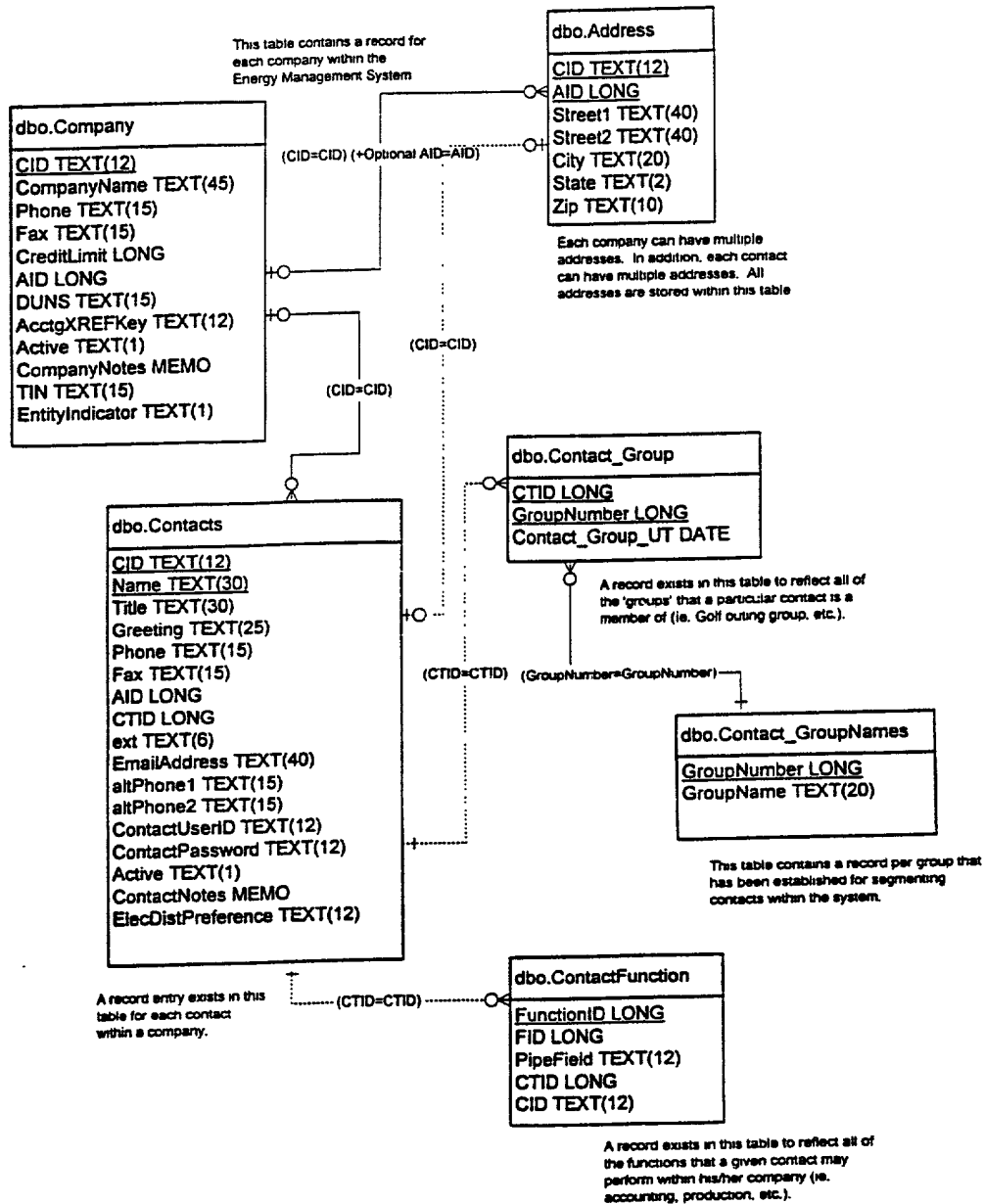


FIG. 3A

Contracts Subject Area (ERD)

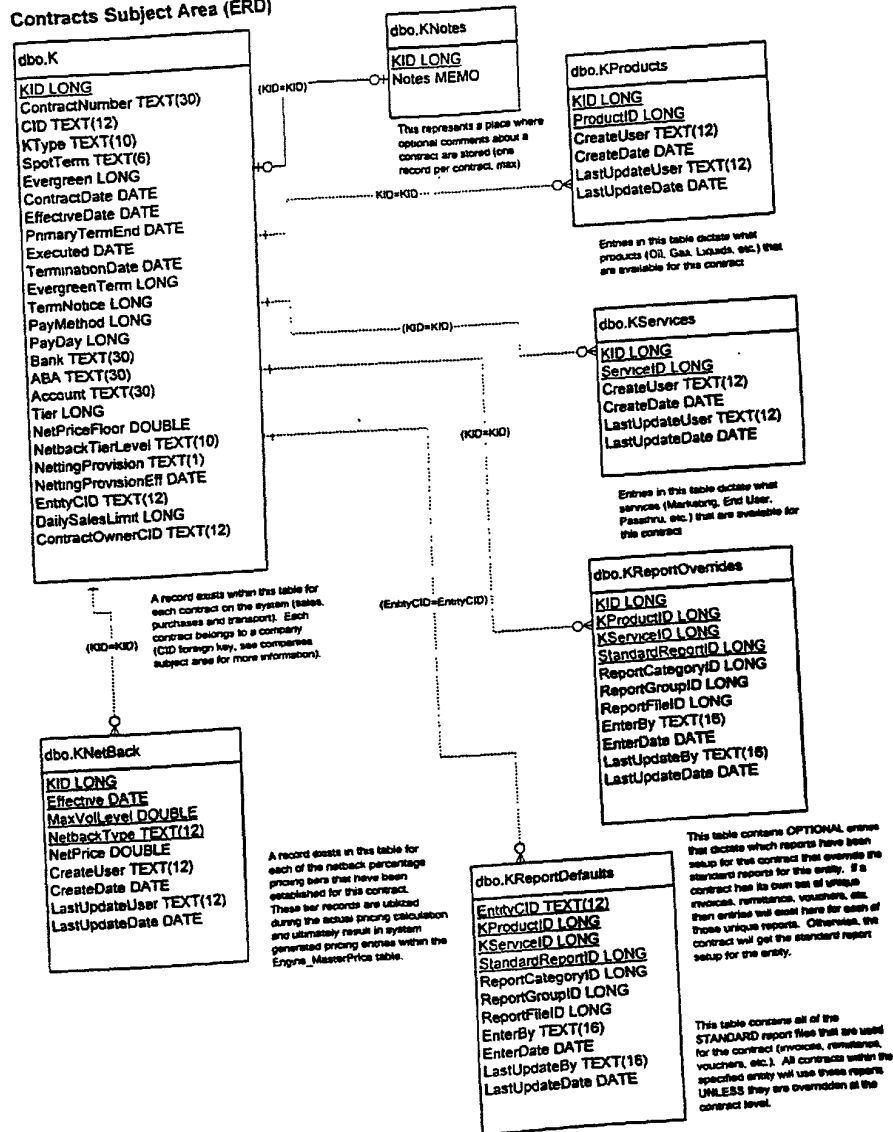


FIG. 3B

Deals Subject Area (ERD) (1 of 2)

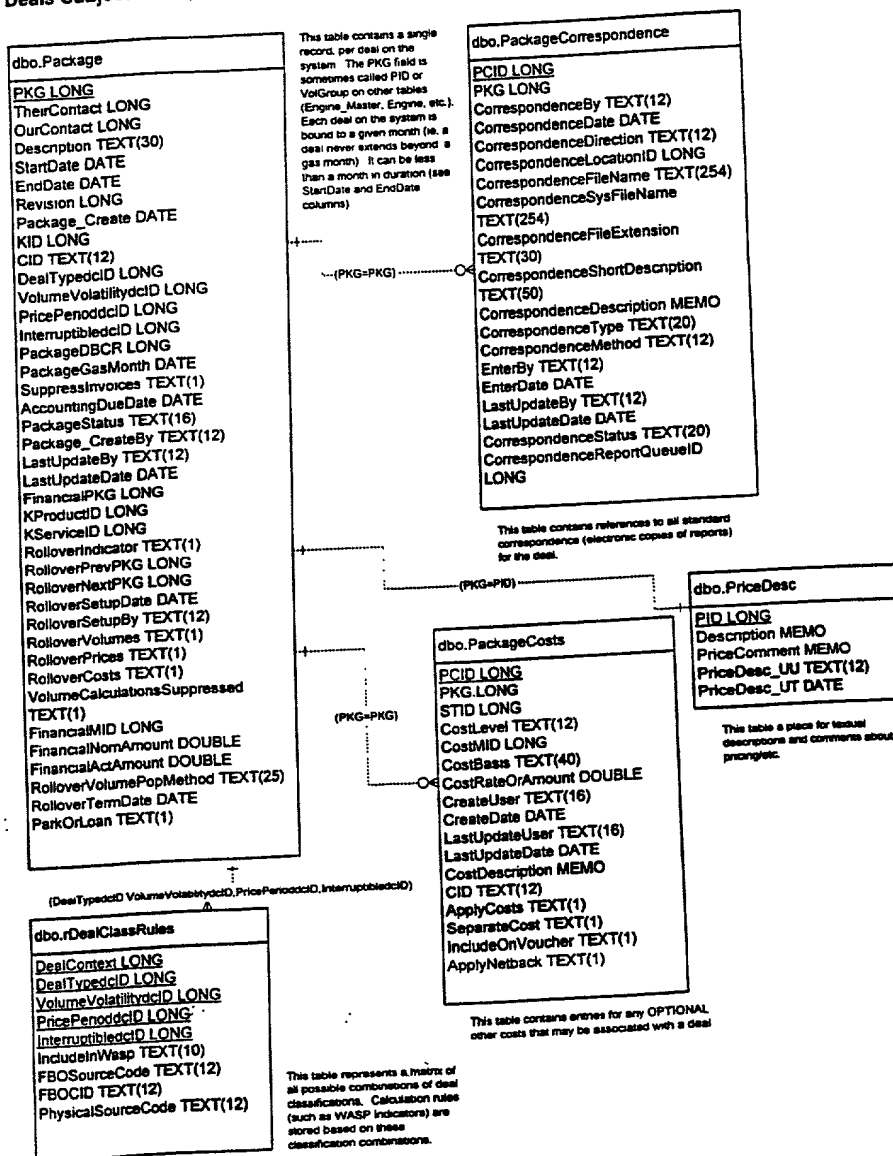


FIG. 3C

Deals Subject Area (ERD) (2 of 2)

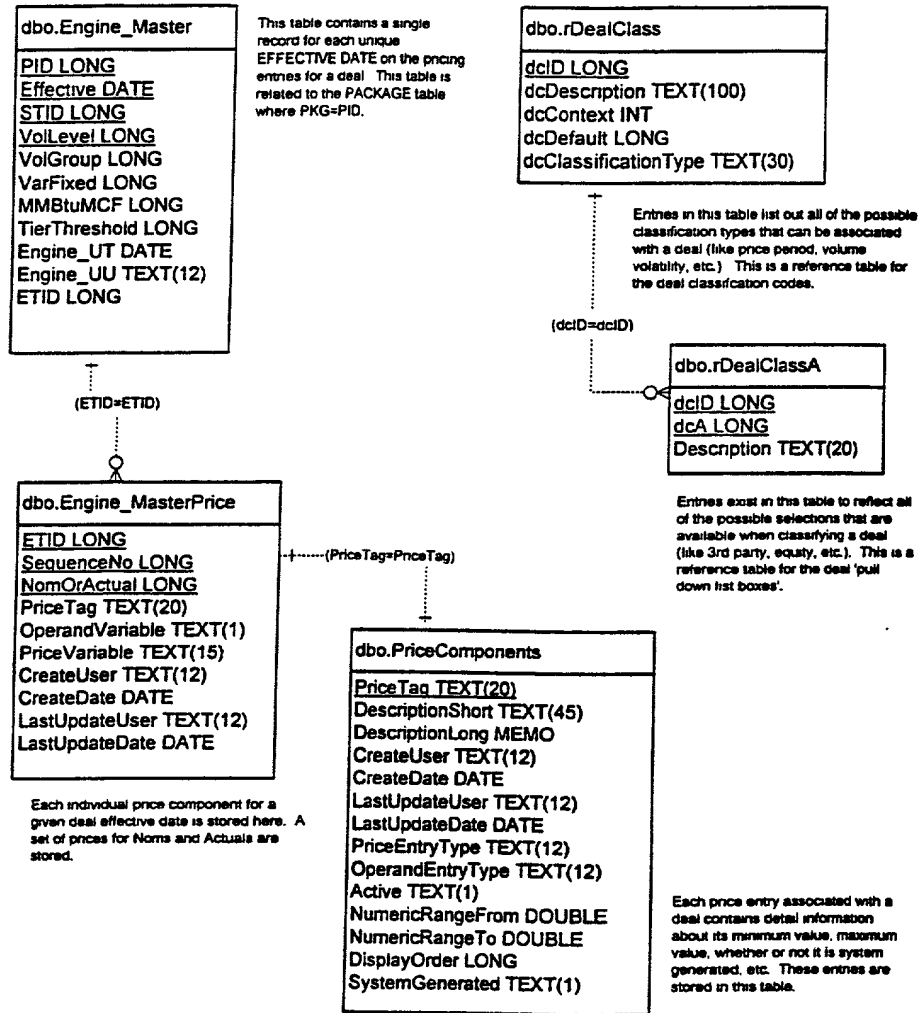


FIG. 3D

Gas Inventory Subject Area (ERD) (1 of 2)

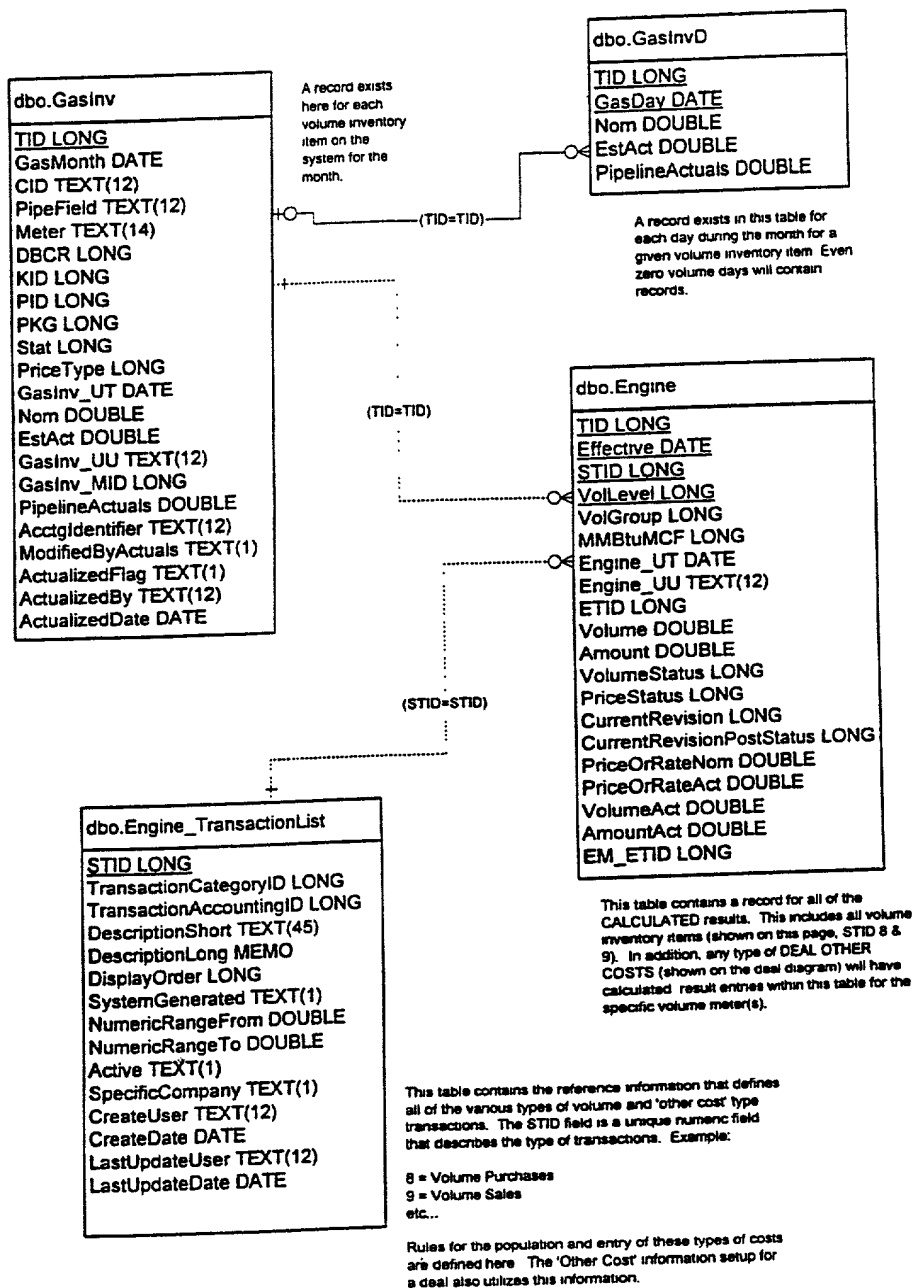


FIG. 3E

Gas Inventory Subject Area (ERD) (2 of 2)

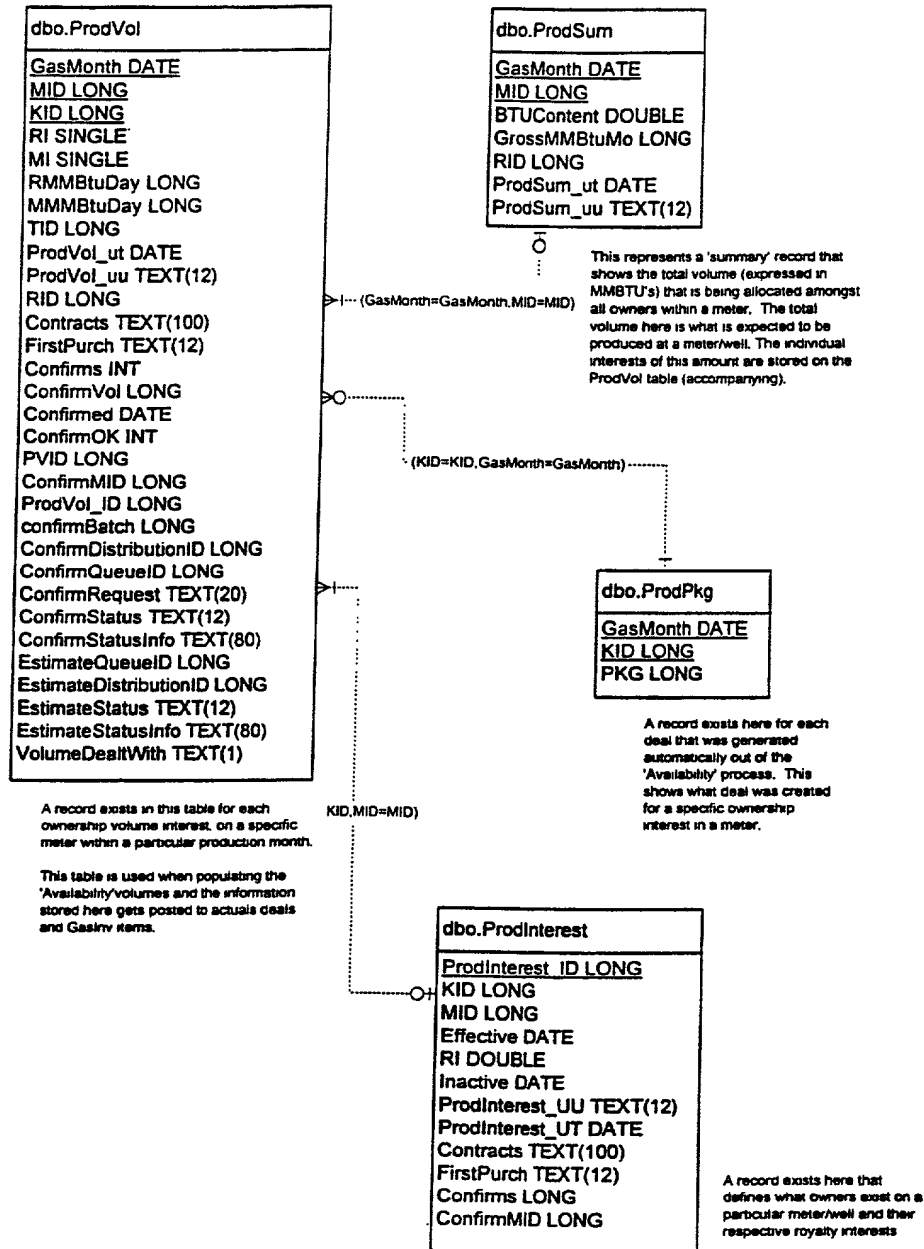


FIG. 3F

Operational Subject Area – 1 of 4 (ERD)

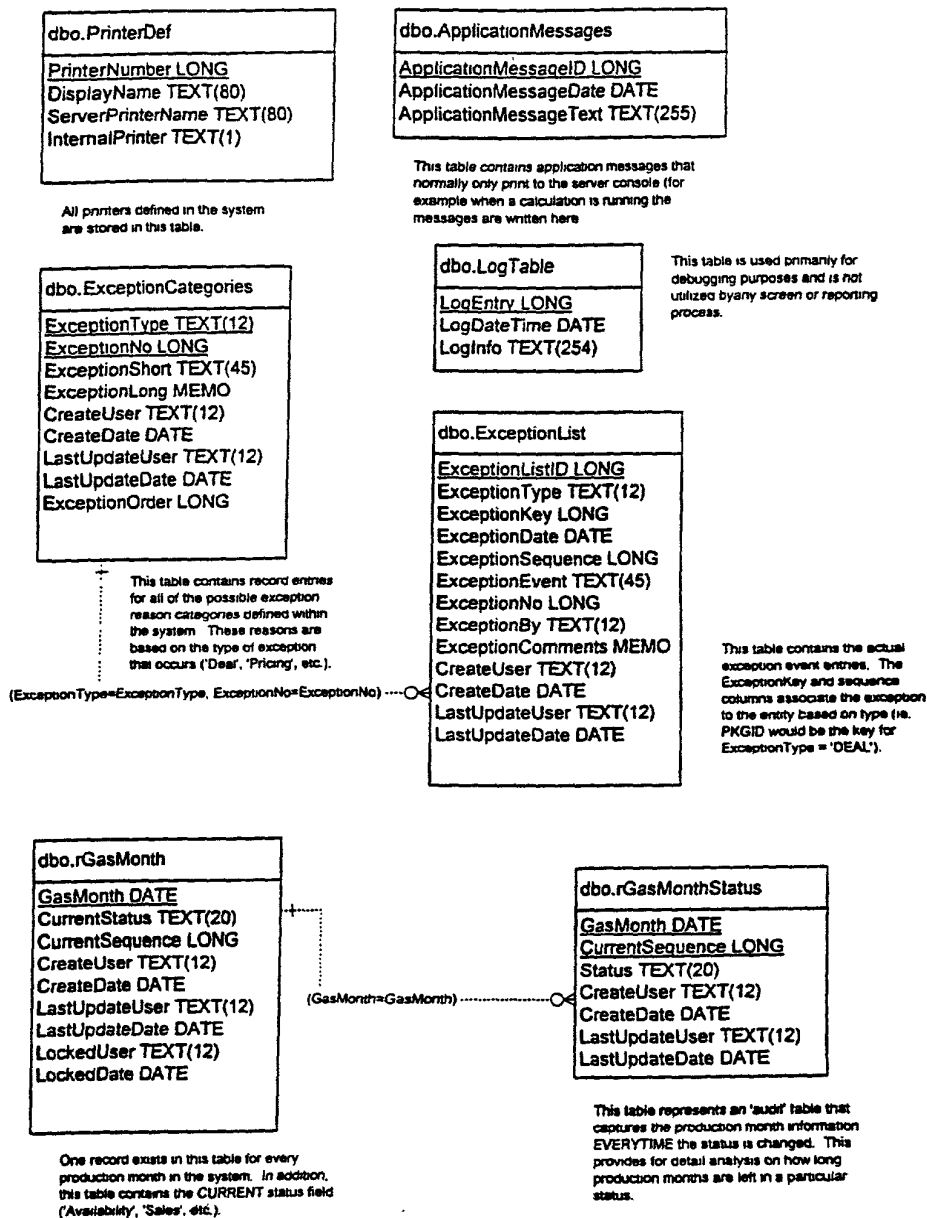


FIG. 3G

Operational Subject Area – 2 of 4 (ERD)

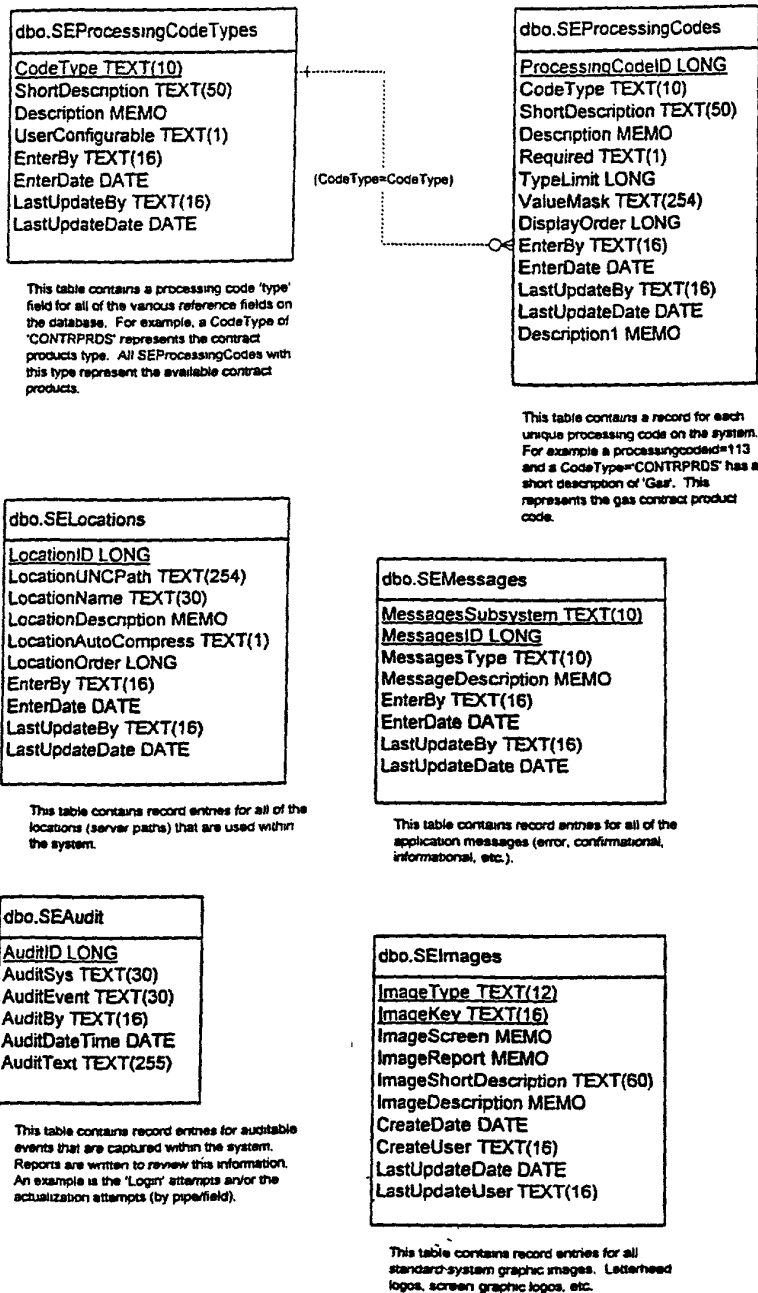


FIG. 3H

Operational Subject Area – 3 of 4 (ERD)

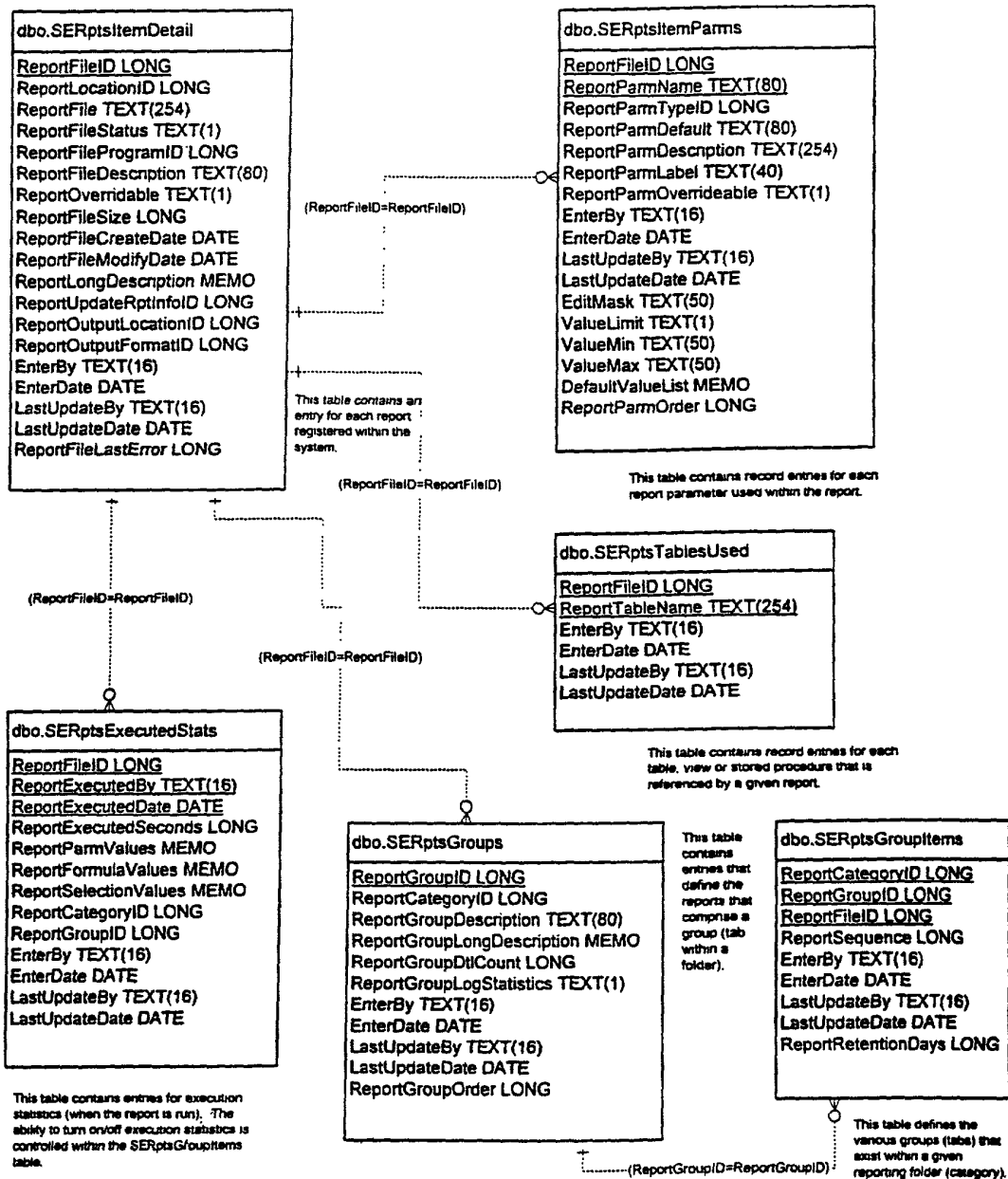


FIG. 31

```

    erDiagram
        ReportQueue ||--o{ ReportQueueNotify : "1:M (ReportQueueID=ReportQueueID)"
        ReportQueue ||--o{ ReportQueueScheduledReports : "1:M (ReportQueueID=ReportQueueID)"
        ReportQueue ||--o{ ReportQueueDistribute : "1:M (ReportQueueID=ReportQueueID)"
        ReportQueue ||--o{ ReportQueueSchedule : "1:M (ReportQueueID=ReportQueueID)"
        ReportQueueSchedule ||--o{ ReportQueueScheduleGroups : "1:M (ReportScheduleGroupID=ReportScheduleGroupID)"
        ReportQueueSchedule ||--o{ ReportQueueScheduleUserGroups : "1:M (ReportScheduleGroupID=ReportScheduleGroupID)"
        ReportQueueScheduleGroups ||--o{ ReportQueueScheduleUserGroups : "1:M (ReportScheduleGroupID=ReportScheduleGroupID)"
  
```

ReportQueue

ReportQueueID LONG
 ReportQueueDate DATE
 ReportQueueBy TEXT(16)
 ReportQueueScheduleID LONG
 ReportQueueCategoryID LONG
 ReportQueueGroupID LONG
 ReportQueueStatusID LONG
 ReportQueueParms MEMO
 ReportQueueFormulas MEMO
 ReportQueueSelection MEMO
 ReportQueueRolloff DATE
 ReportQueueNotifyInd TEXT(1)
 ReportQueueEngineStatus LONG
 ReportQueueEngineMessage MEMO
 ReportQueueOutputFormatID LONG
 ReportQueueOutputLocationID LONG
 EnterBy TEXT(16)
 EnterDate DATE
 LastUpdateBy TEXT(16)
 LastUpdateDate DATE
 ReportQueueFileID LONG

This table contains an entry for each report submission request.

ReportQueueNotify

ReportQueueID LONG
 ReportQueueUserID TEXT(16)
 ReportQueueNotifyStatusID LONG
 EnterBy TEXT(16)
 EnterDate DATE
 LastUpdateBy TEXT(16)
 LastUpdateDate DATE

This table contains an entry for each user that needs to be notified when a report has completed running.

ReportQueueScheduledReports

ReportScheduleID LONG
 ReportScheduleGroupID LONG
 EnterBy TEXT(16)
 EnterDate DATE
 LastUpdateBy TEXT(16)
 LastUpdateDate DATE

This table contains entries for each group that has access to a given scheduled report.

ReportQueueDistribute

QID LONG
 ReportQueueID LONG
 ReportDistStatus TEXT(1)
 ReportDistType TEXT(30)
 ReportDistLocation TEXT(255)
 ReportDistParameter TEXT(255)
 ReportDistCompleteTime DATE
 ReportDistCompleteStatus TEXT(1)
 ReportDistCompleteErrorCode LONG
 ReportDistCompleteErrorText TEXT(255)
 EnterBy TEXT(16)
 EnterDate DATE
 LastUpdateBy TEXT(16)
 LastUpdateDate DATE
 ReportDistRecipient TEXT(60)
 ReportDistSubject TEXT(40)

This table contains record entries whenever a fax, email or request to printer is made from a report queue item.

ReportQueueSchedule

ReportScheduleID LONG
 ReportScheduleDescription TEXT(254)
 ReportScheduleOutputFormatID LONG
 ReportScheduleRetentionDays LONG
 ReportScheduleFrequency LONG
 ReportScheduleTimeDay LONG
 ReportScheduleCategoryID LONG
 ReportScheduleGroupID LONG
 ReportScheduleParms MEMO
 ReportScheduleFormulas MEMO
 ReportScheduleSelection MEMO
 ReportScheduleNotifyInd TEXT(1)
 ReportLastQueueID LONG
 ReportLastQueueDate DATE
 EnterBy TEXT(16)
 EnterDate DATE
 LastUpdateBy TEXT(16)
 LastUpdateDate DATE
 ReportScheduleFileID LONG
 ReportScheduleNext DATE
 ReportScheduleOutputLocationID LONG

This table contains an entry for each report submission request.

ReportQueueScheduleGroups

ReportScheduleGroupID LONG
 ReportScheduleGroupShortDesc TEXT(50)
 ReportScheduleGroupLongDesc MEMO
 EnterBy TEXT(16)
 EnterDate DATE
 LastUpdateBy TEXT(16)
 LastUpdateDate DATE

This table contains entries for each unique reporting group defined on the system.

ReportQueueScheduleUserGroups

ReportScheduleGroupID LONG
 ReportUserID TEXT(16)
 EnterBy TEXT(16)
 EnterDate DATE
 LastUpdateBy TEXT(16)
 LastUpdateDate DATE

This table defines all of the users within a reporting group.

FIG. 3J

Pipes & Meters Subject Area (ERD)

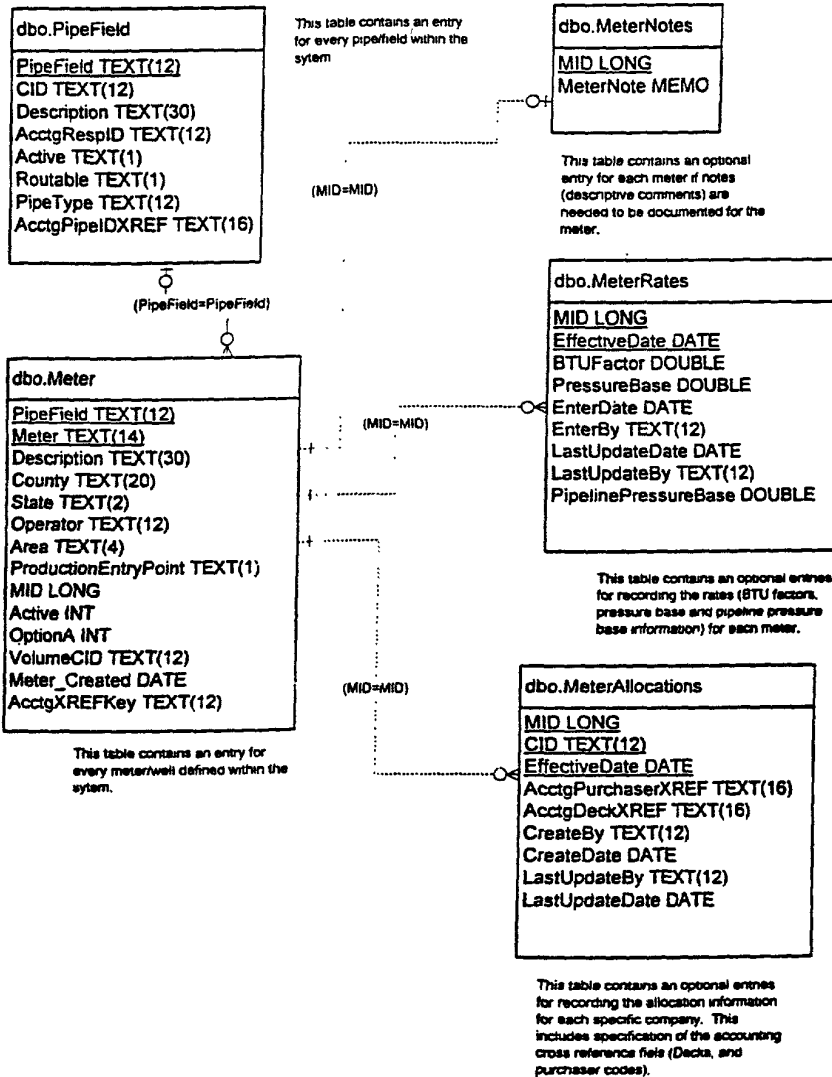


FIG. 3K

Pricing Subject Area (ERD)

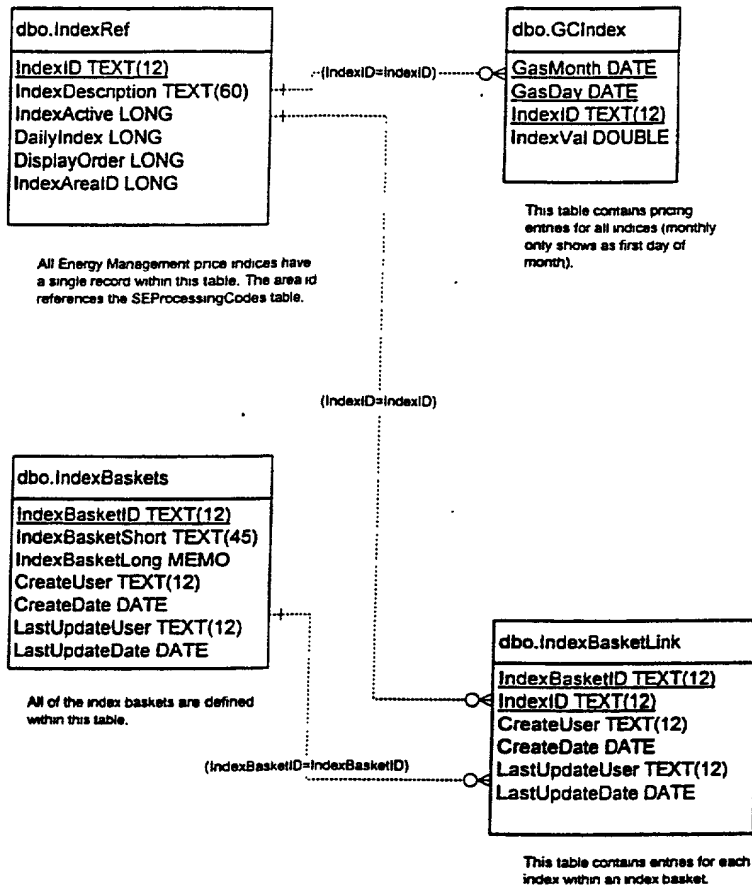


FIG. 3L

Routing Subject Area (ERD)

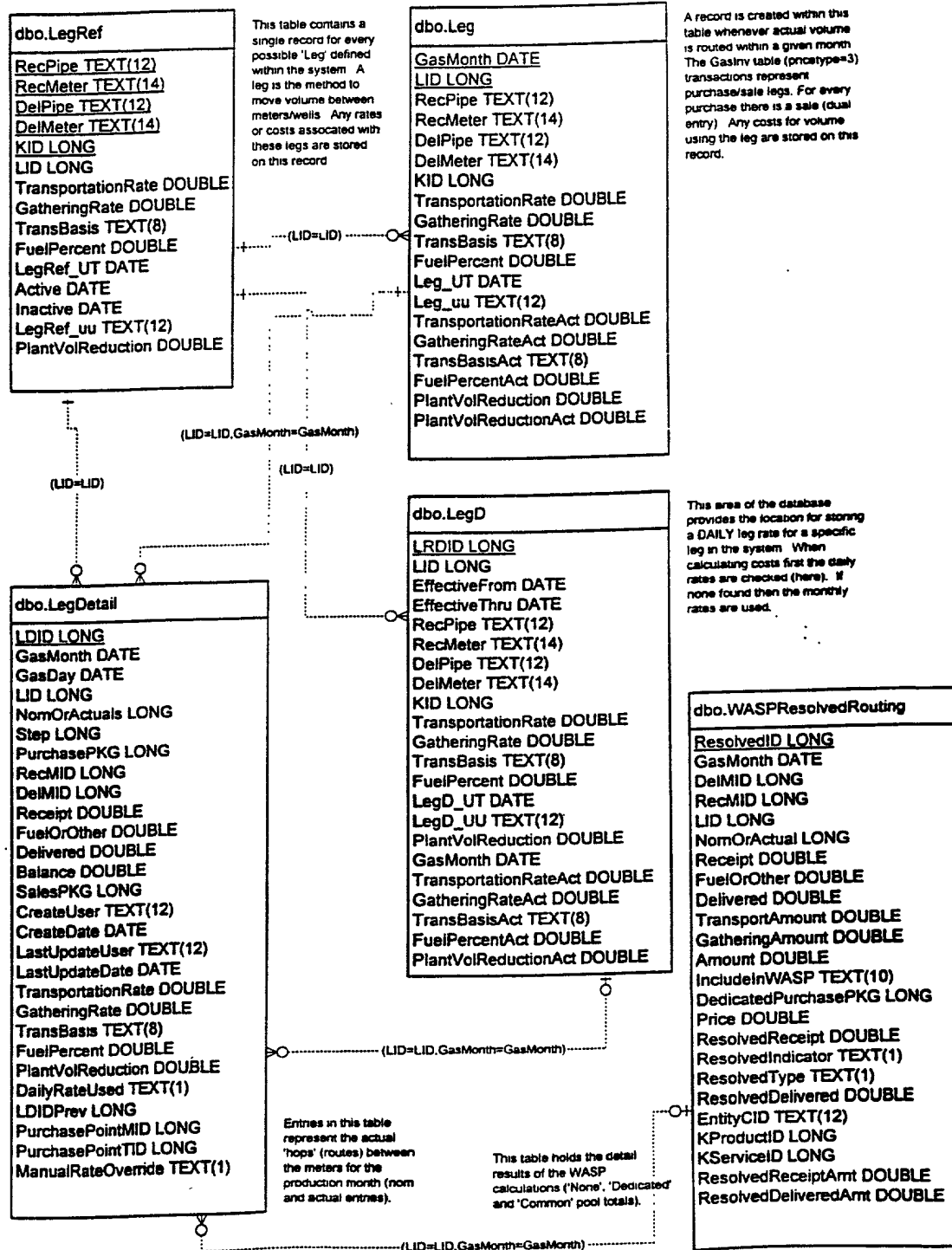


FIG. 3M

Security Subject Area (ERD)

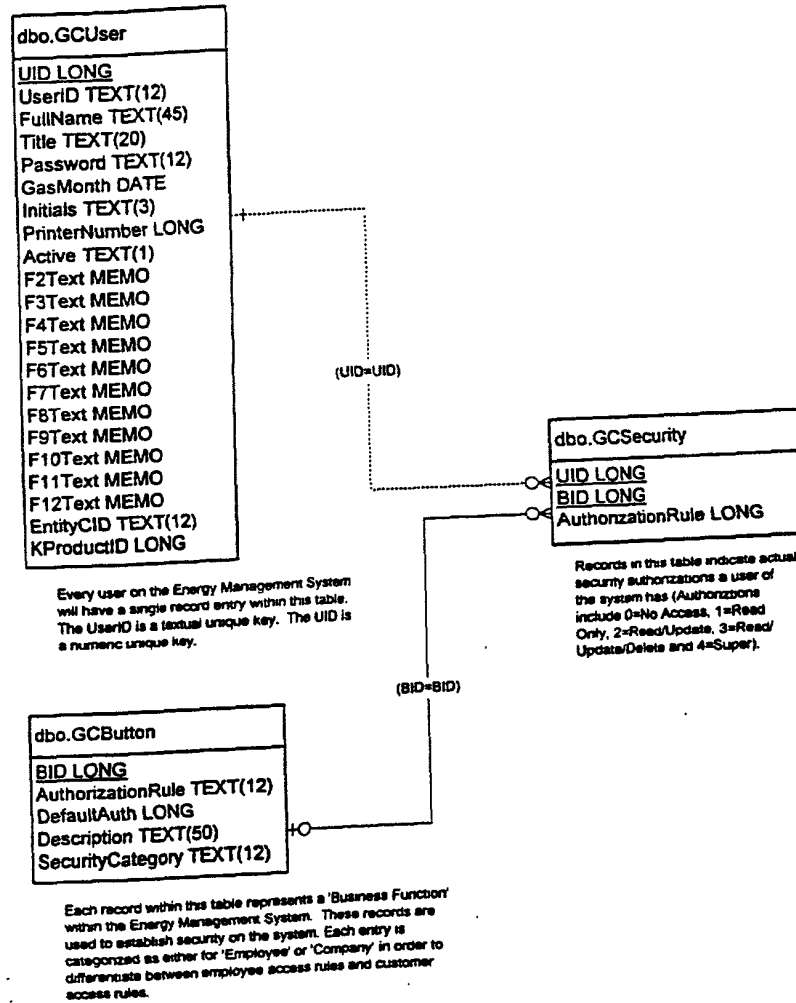


FIG. 3N

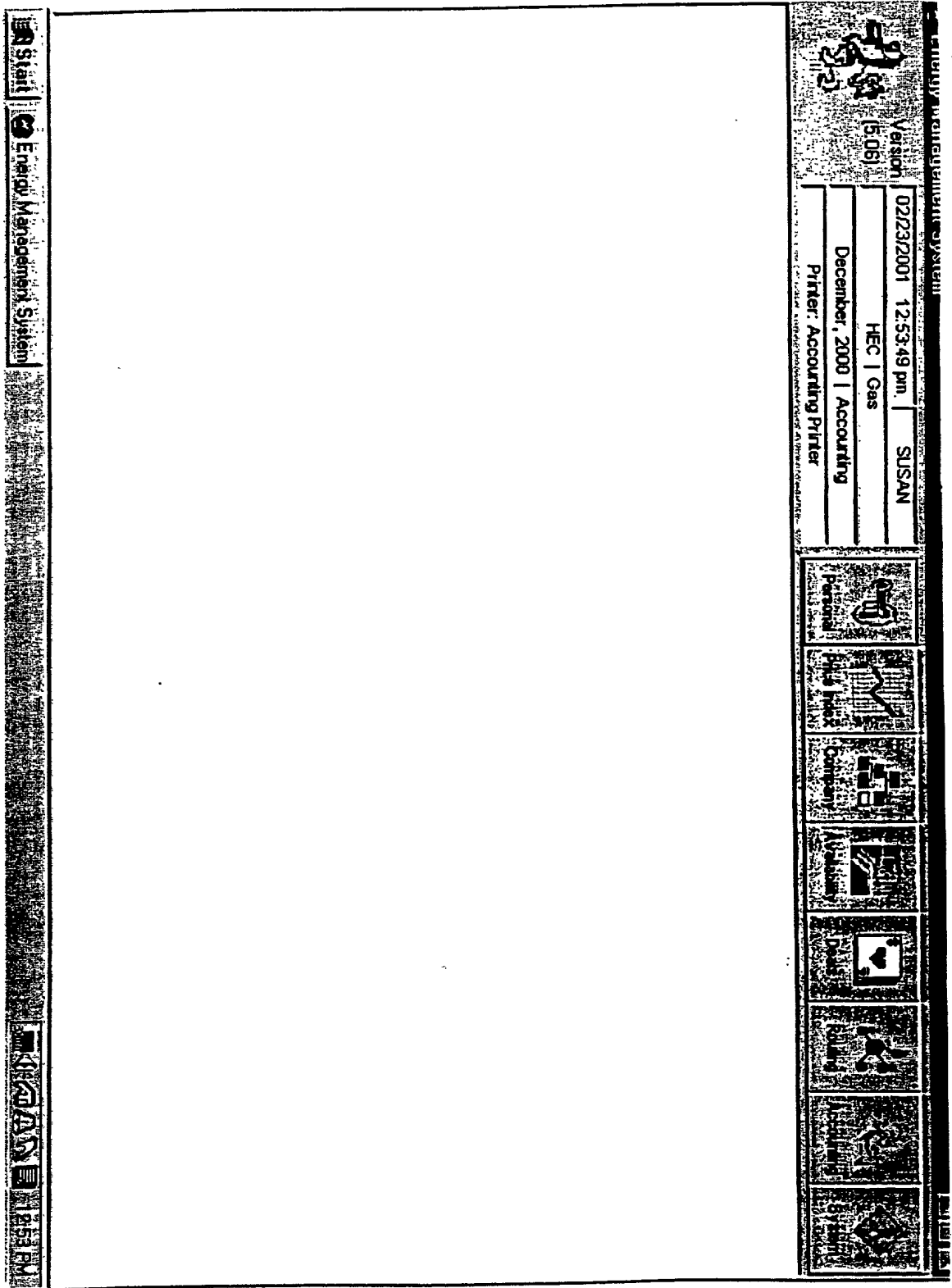



FIG. 4A

00000001.123101










Version (5.06)

02/23/2001 12:54:37 pm SUSAN

HEC | Gas

December, 2000 | Accounting

Printer: Accounting Printer

User Profile Detail - (Change)

General

Full Name

SUSAN

Dr. of Client Svcs

Susan Sims

Business

December / 2000

Entity

HEC

Product

Gas

Initials



SS

Profile Number

Accounting Printer

Internal User ID

2448




FIG. 4B

09895011.123101

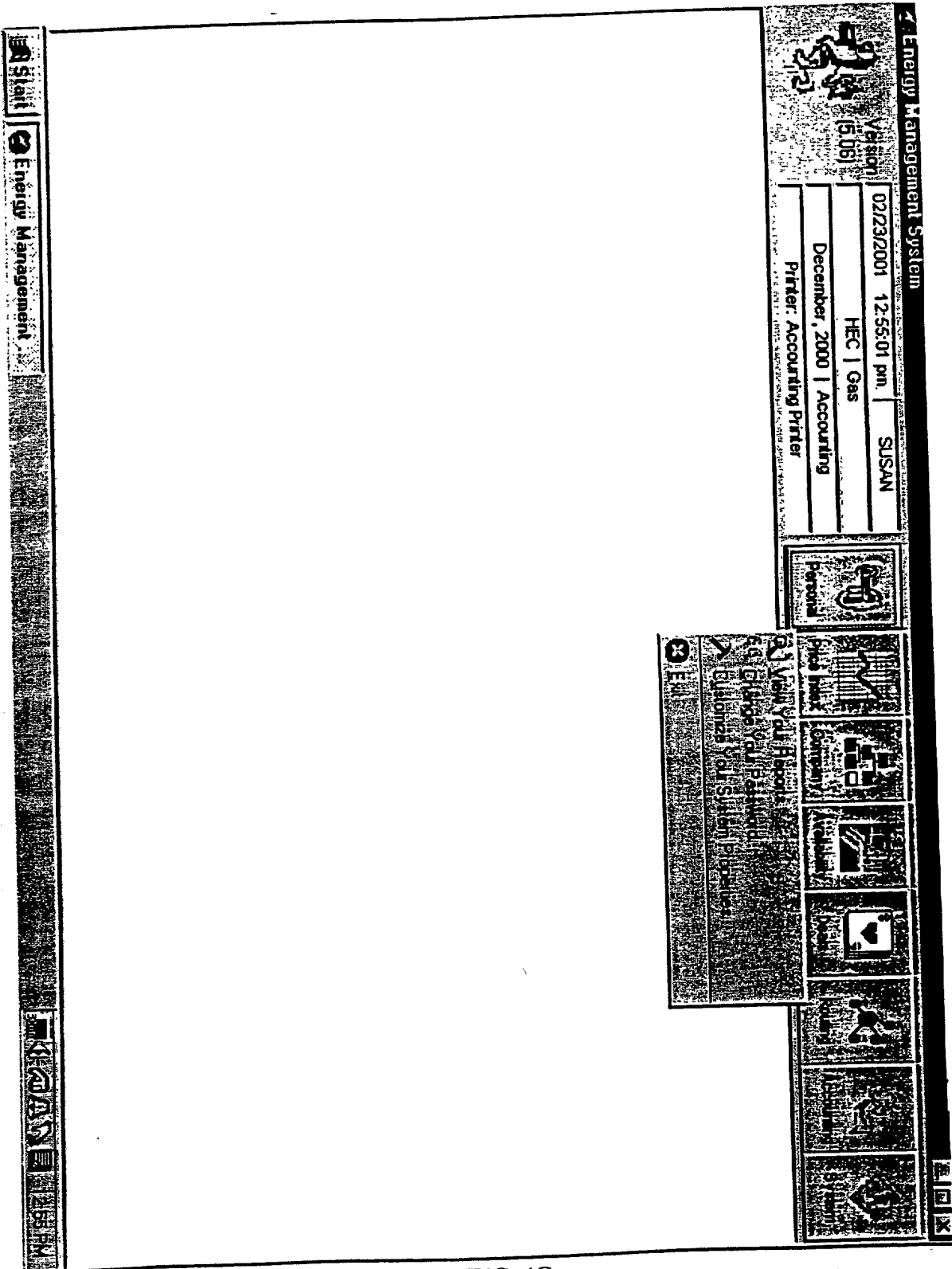


FIG. 4C

09895011.123101

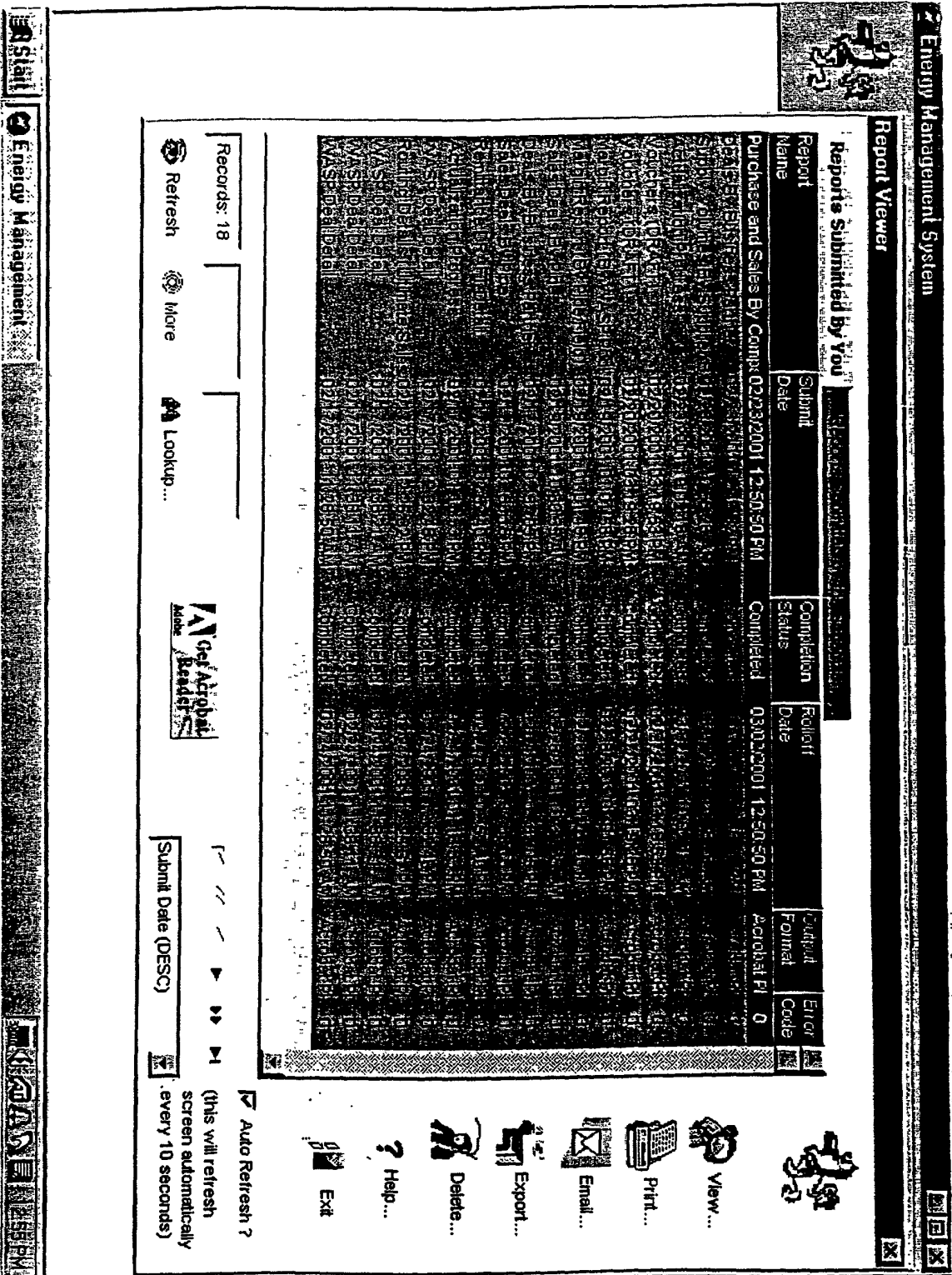


FIG. 4D

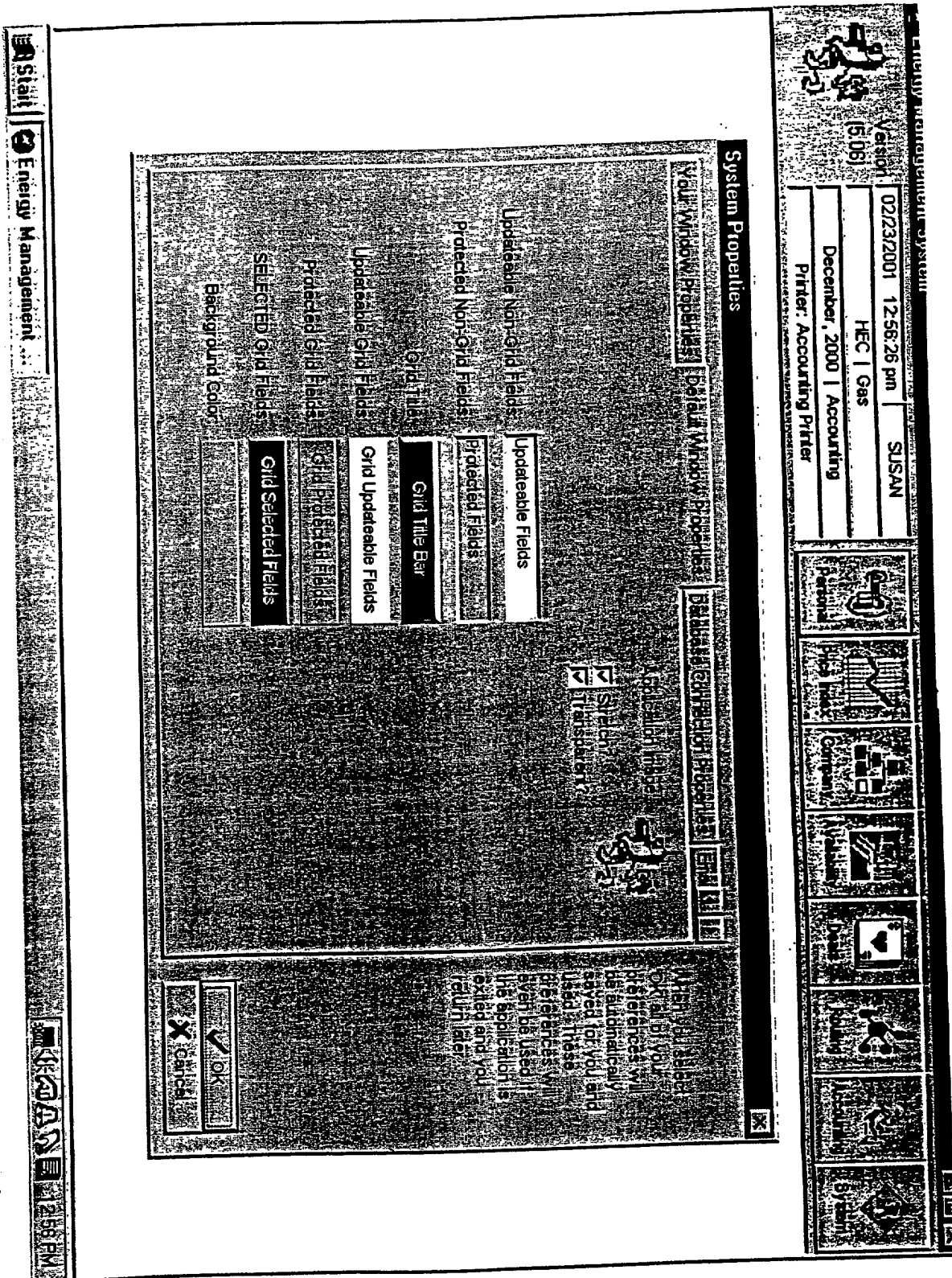


FIG. 4E

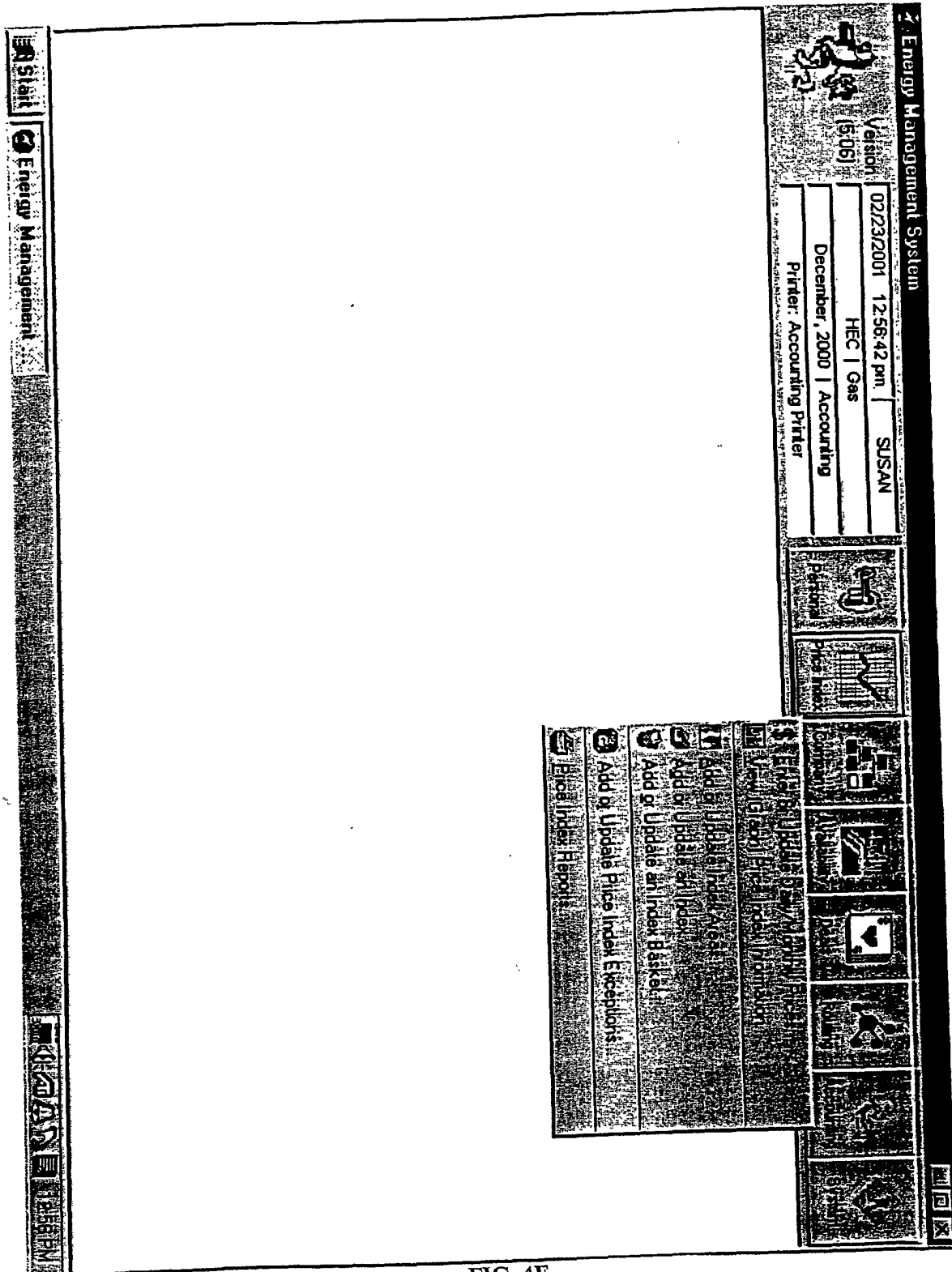


FIG. 4F

09895011-123101

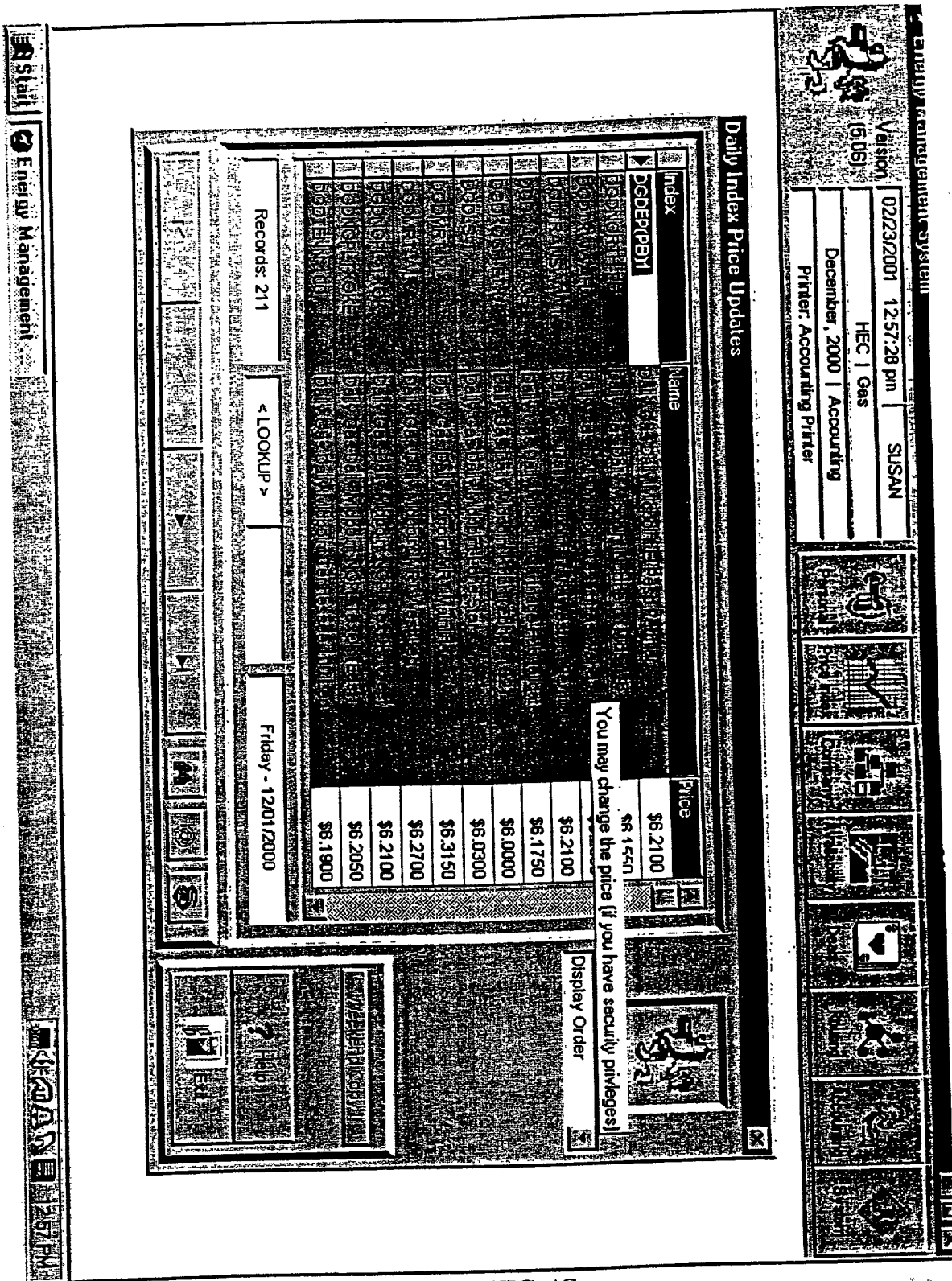


FIG. 4G

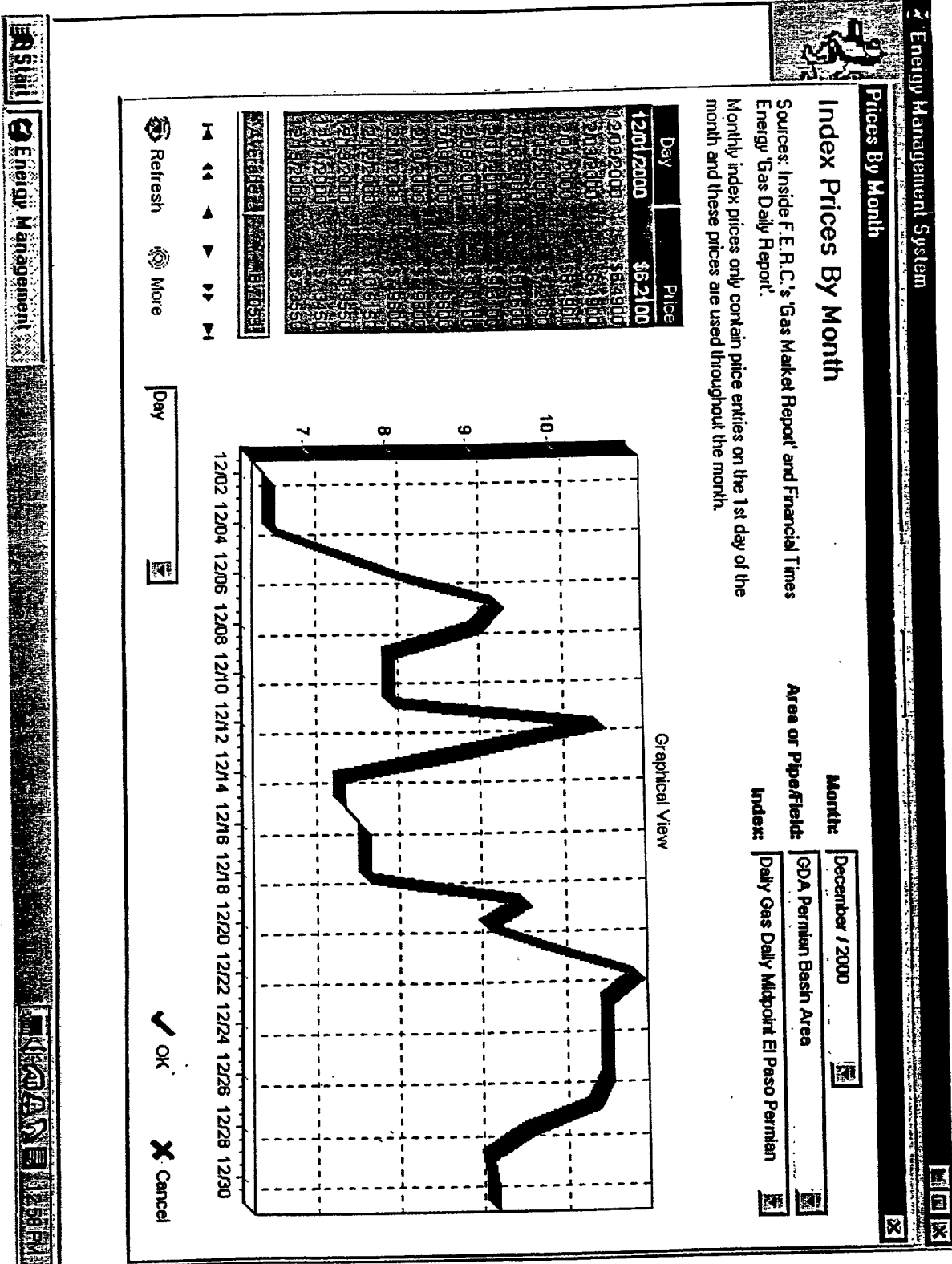


FIG. 4H

09895011.1 123101

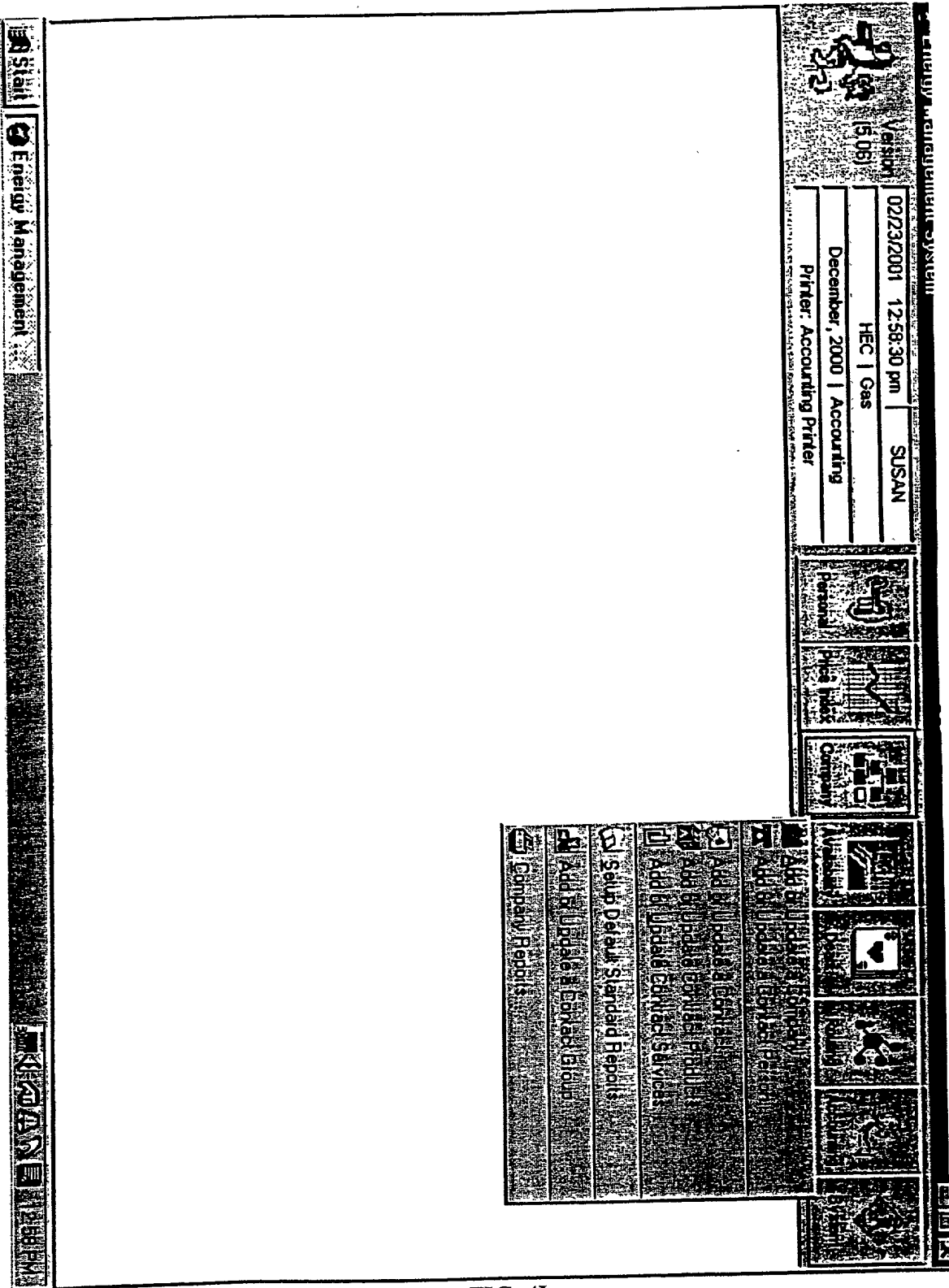


FIG. 4I

[illegible]

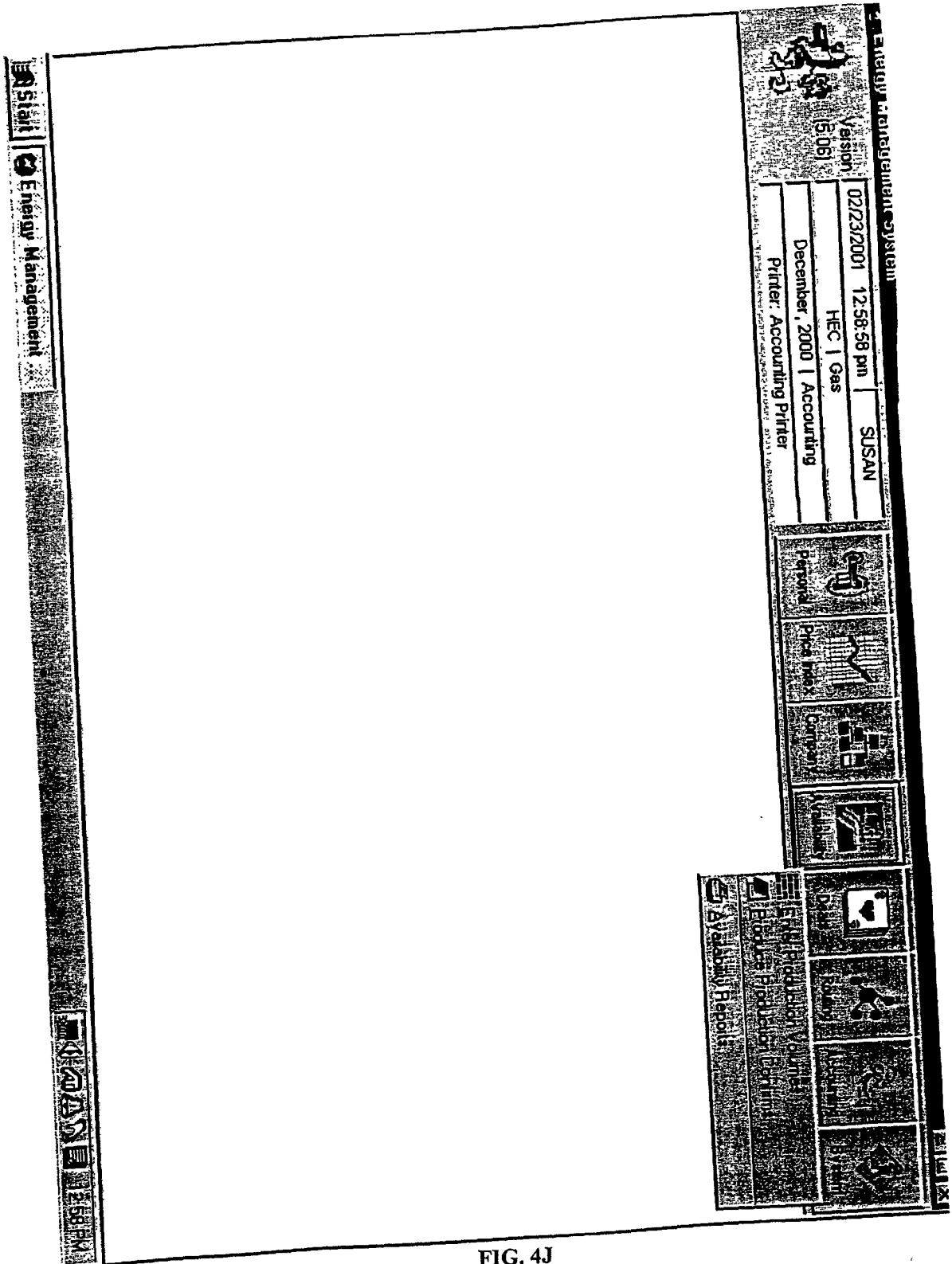


FIG. 4J

09895011.1 123101

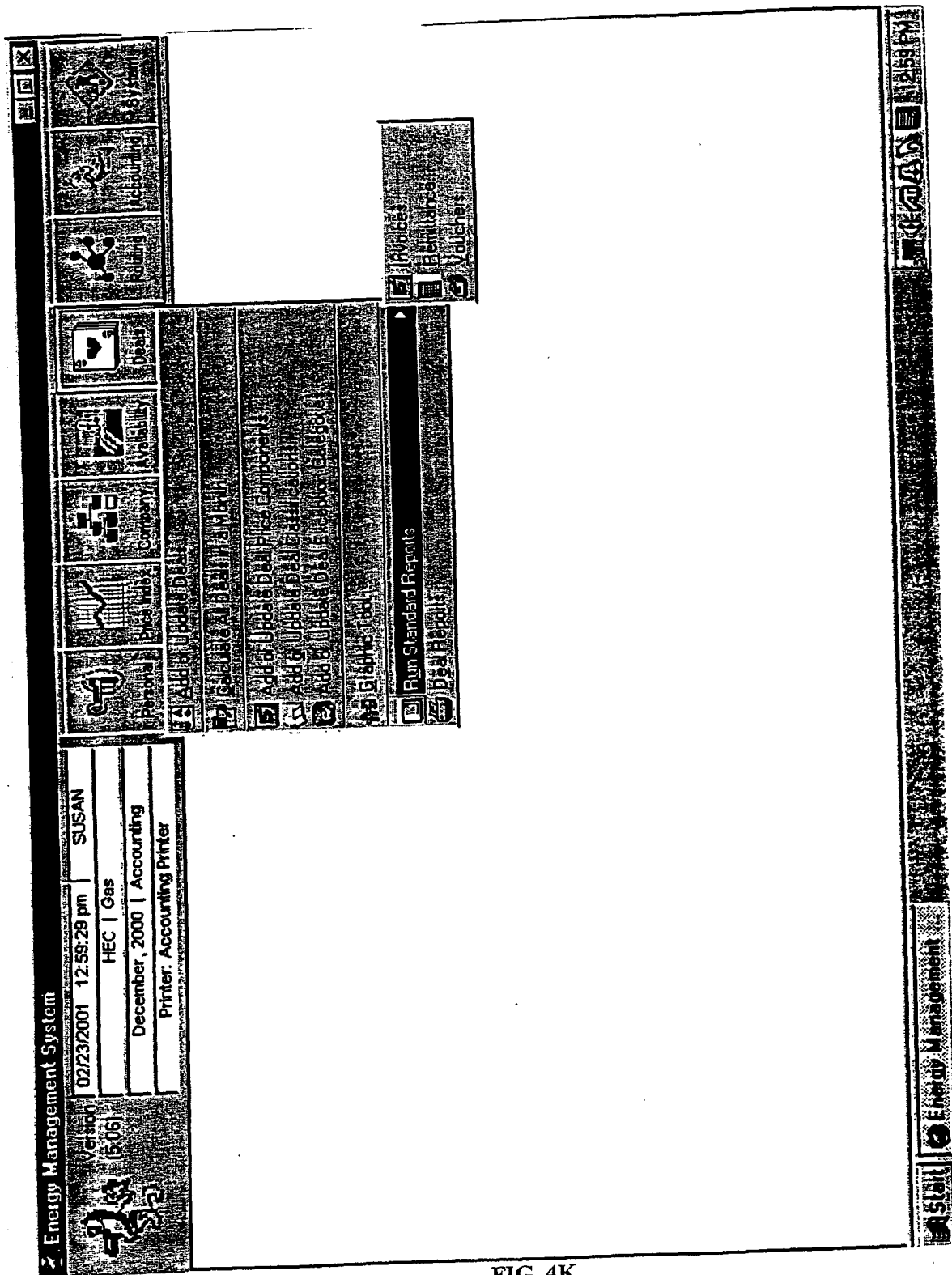


FIG. 4K

FIG. 4L

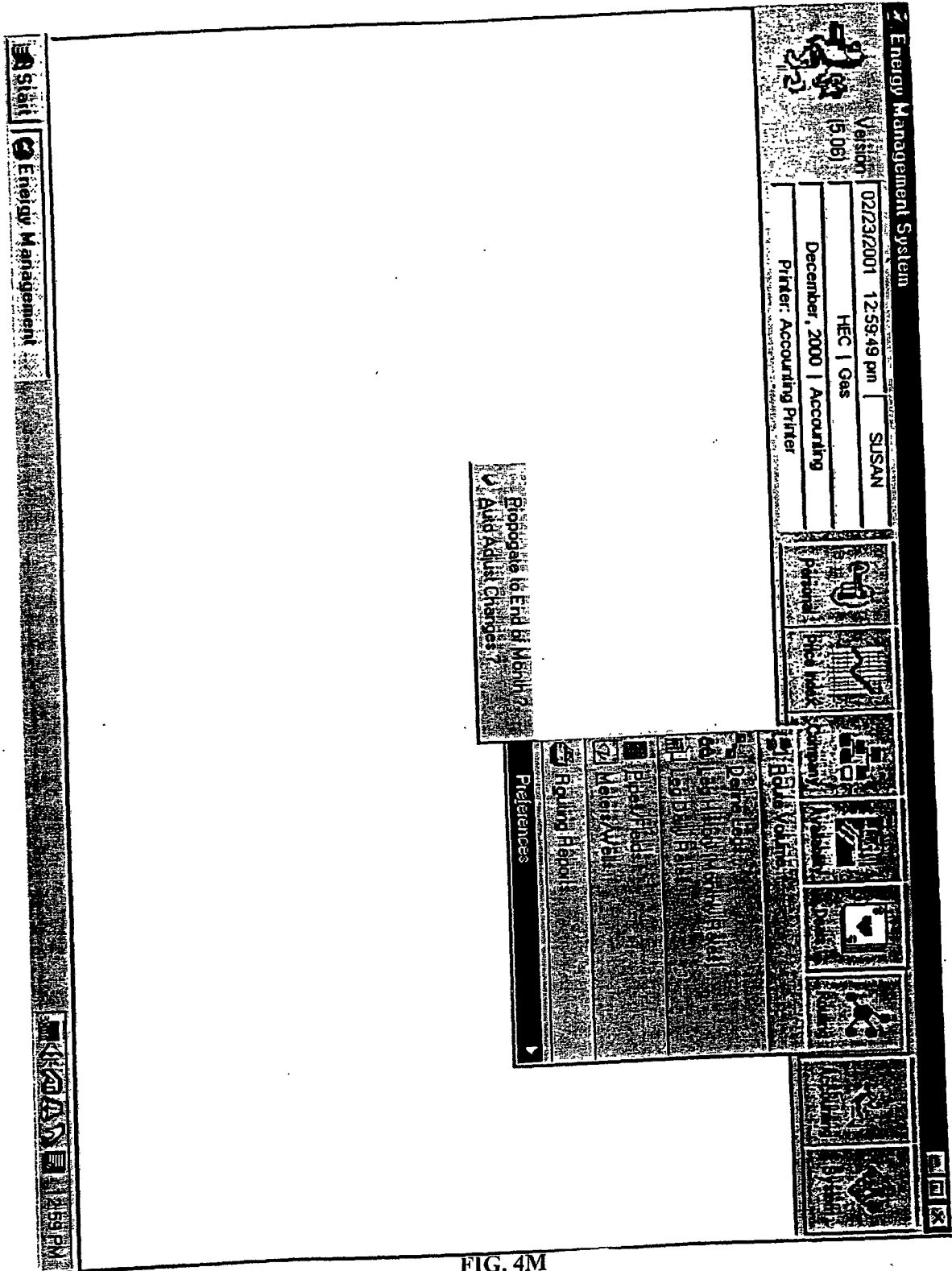


FIG. 4M

Route Volume
December 2000

Area	Meter/Well	Desc.	Qty	Received	Balance
P2046107	Highland Mainline Pool		1	1,969.00	0.00

Pipe...	Area	Meter/Well	Desc.	Contract	F-Perc.	T-Rate
CGI	P2046107	Highland Mainline	2			

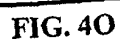
Pipe...	Area	Meter/Well	Desc.	Balance	Delivered	S-Com
CGI	P2046107	Highland	0.00	219.00	HEC	

Pipe...	Area	Meter/Well	Desc.	Contract	F-Perc.	T-Rate
CGI	P2046107	Highland Mainline	2			

Pipe...	Area	Meter/Well	Desc.	Contract	F-Perc.	T-Rate
CGI	P2046107	Highland Mainline	2			

Pipe...	Area	Meter/Well	Desc.	Contract	F-Perc.	T-Rate
CGI	P2046107	Highland Mainline	2			

FIG. 4N



1. The first part of the book is a general introduction to the study of the history of the United States. It discusses the importance of the study of history and the methods used by historians to collect and analyze historical data.



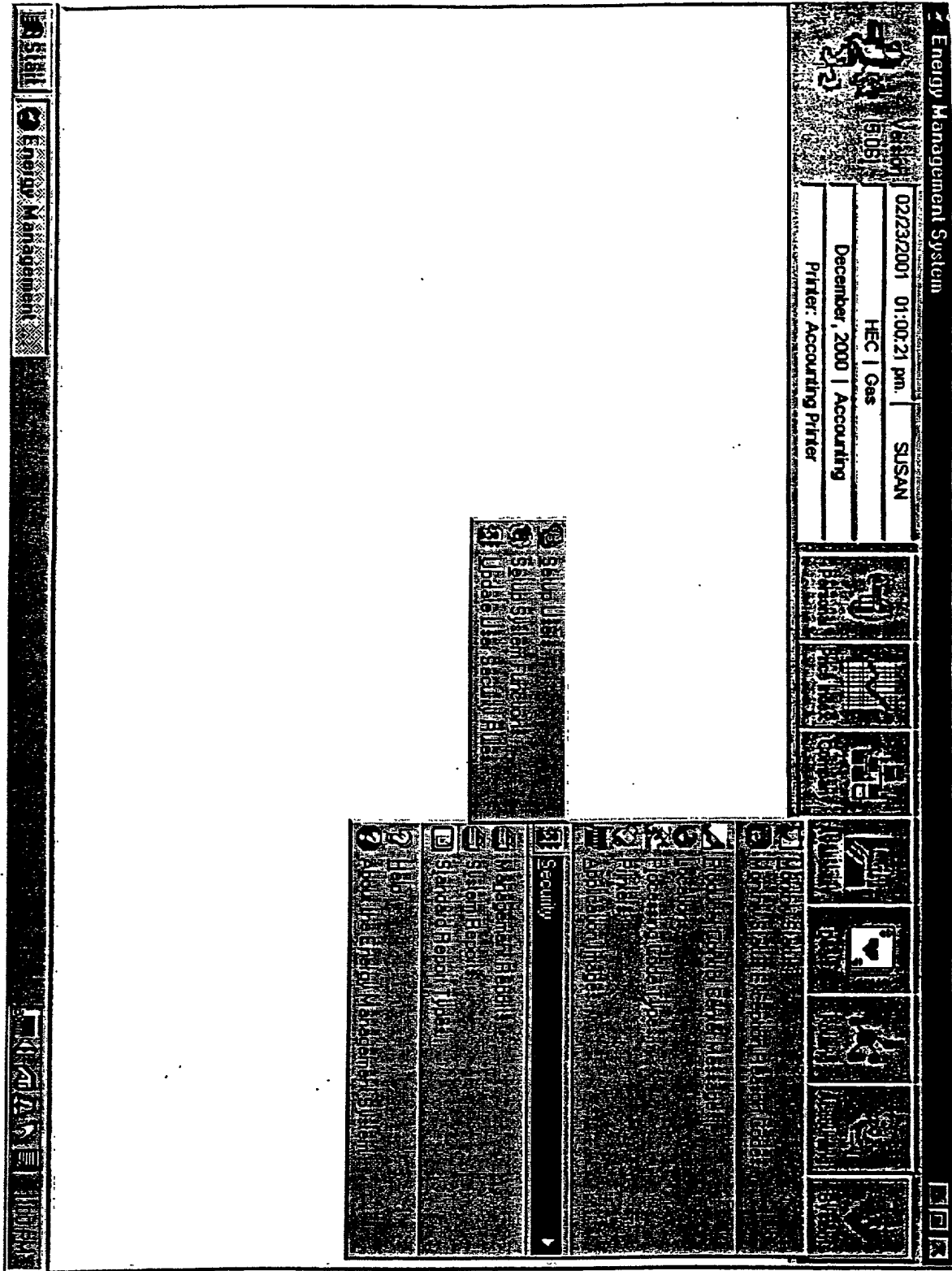


FIG. 4Q

09895011.123101

WASP Calculation Diagram

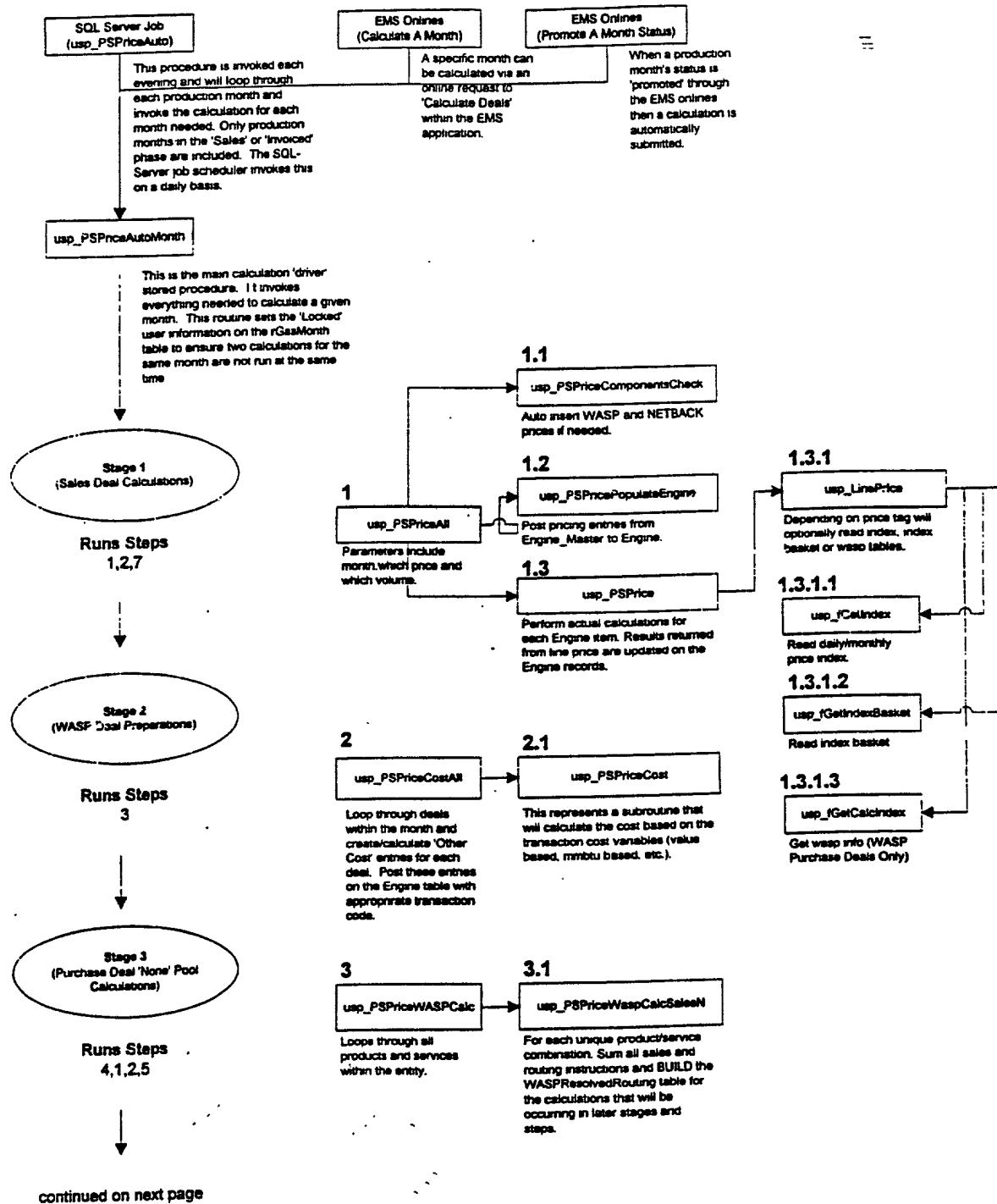


FIG. 5A

WASP Calculation Diagram (2 of 2)

continued from previous page



FIG. 5B